

## Remote Server Management and Control for Research, Development and Test Labs

Companies often have labs to test or evaluate the hardware and software they develop or manufacture. While essential to business operations, managing these lab assets is challenging and remote access is key.

Unlike many production environments, to reduce power consumption and thereby minimize operations costs, labs may need to be shut down on weekends. For application testing and evaluation, the sharing of servers and applications may require frequent server reconfigurations. Access and control of an IT infrastructure with both analog VGA, as well as digital video DVI, HDMI, or DisplayPort technologies, is costly. To maintain security, lab managers and users may not always be on site or have physical access to these assets.

Many lab managers, therefore, look towards tools that provide reliable, secure remote access, as well as tools that enable automation, scheduling and power management. Tools that provide simultaneous support for both analog VGA, as well as digital video enable the elimination of expensive and unreliable digital-to-analog adapters. These tools help minimize operations costs and provide efficient lab management.

Raritan's Server Management Solution for Labs provides remote or local BIOS-level access for server management and control from anywhere – in the lab, in the office, on the road, or from home – minimizing infrastructure and management costs. Lab managers can quickly and easily reboot, patch or update servers, access both analog and digital video technologies, and with scheduling capabilities, shut down servers. With automated provisioning, lab managers can quickly and intelligently place IT equipment and ensure accurate asset tracking – reducing manual processes and operations costs.

Raritan Server Management for Labs – an efficient and cost-effective solution for managing and controlling servers in any research, development or test lab, from anywhere and at any time.

## Raritan Lab Server Management Solutions

Perfect for:

- IT and OS testing/development labs
- Software testing/development labs
- Hardware labs
- IT evaluation labs
- BIOS integration/testing/development
- Custom tool labs for hardware
- Web development labs
- Compliance testing

### Sample Lab Management Challenges

- Reconfigure server – adds, moves and rearrangements
- Secure, authenticated remote logins/ remote access
- Centralized management of multilocation servers
- Remote testing, rebooting, patches and updates
- Diverse, nonstandard server infrastructure and configurations
- Asset space, power and environment management
- Simultaneous support of analog and digital video technology

[Please contact Raritan to see how we can meet your specific challenges.](#)

### Benefits

- Efficient, reliable server management
- Economical, secure and nonintrusive remote access
- Consolidated administration
- Reduced installation costs – no software to load on the target servers or workstations
- Fast power restoration and reduced power consumption
- Reduced manual processes and operations costs
- Protect and support past, present and future video technology investments

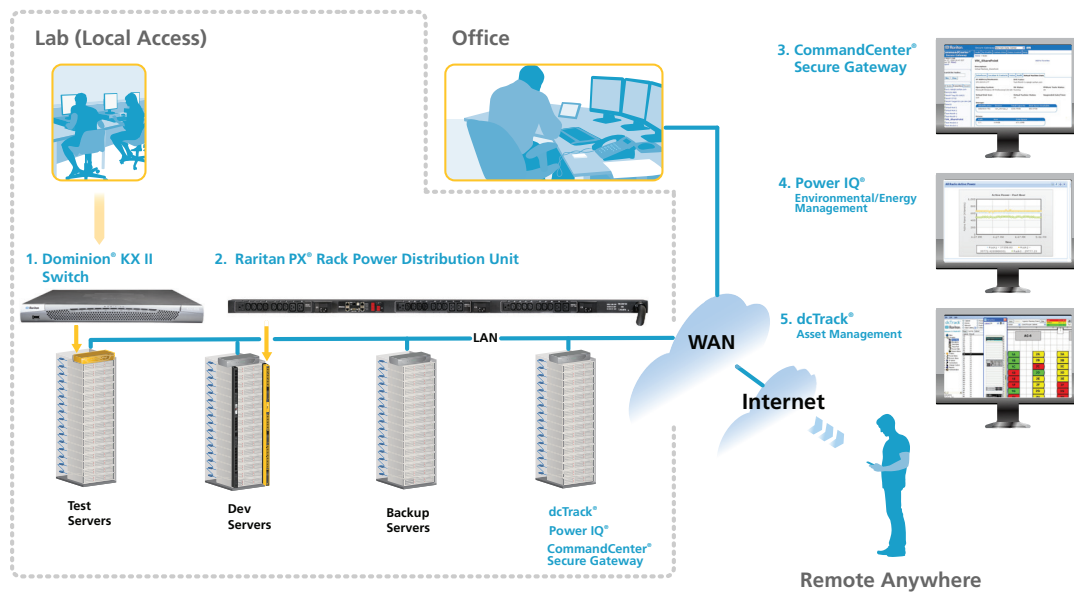
Solution Equipment (application dependent):

- 1. Dominion<sup>®</sup> KX II KVM-over-IP Switch:**  
KVM-over-IP secure, BIOS-level access for remote server management, troubleshooting and rebooting
- 2. Paragon<sup>®</sup> II:**  
Cat5 analog KVM switch providing secure, real-time access and control of servers and serial devices
- 3. Raritan PX<sup>®</sup> Rack Power Distribution Unit:**  
Out-of-band access, local logging, ping/reboot, remote power control, kWh, outlet-level metering and environmental management for reduced downtime

- 4. CommandCenter® Secure Gateway:**  
Secure access to lab servers from a single interface
- 5. Power IQ® Energy Management Software:**  
Power, environment and energy management to reduce power consumption and maintain uptime

- 6. dcTrack® Data Center Infrastructure Management Software:**  
Capacity, asset and change management
- 7. Raritan Digital CIMS:**  
CIMS for access and control of HDMI, DVI and DisplayPort video technologies

## Lab Management Implementation Example



Ready to find out more? Contact Raritan today.  
Call 1.800.724.8090 or visit [www.raritan.com](http://www.raritan.com)

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